

| Ref # | Hits   | Search Query                                                                                       | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|--------|----------------------------------------------------------------------------------------------------|-----------------|------------------|---------|------------------|
| L1    | 198    | "digital speech interpolation" or "digital speech inter-polation"                                  | US-PGPUB; USPAT | OR               | ON      | 2005/01/26 14:53 |
| L2    | 168    | L1 and @ad<"19981204"                                                                              | US-PGPUB; USPAT | OR               | ON      | 2005/01/26 14:53 |
| L3    | 117    | L2 and noise                                                                                       | US-PGPUB; USPAT | OR               | ON      | 2005/01/26 17:50 |
| L4    | 1      | "5870397".pn.                                                                                      | US-PGPUB; USPAT | OR               | ON      | 2005/01/26 17:50 |
| L5    | 0      | 4 and register                                                                                     | US-PGPUB; USPAT | OR               | ON      | 2005/01/26 17:50 |
| L6    | 2096   | ("echo canceller" or "echo cancellers" or "echo-canceller" or "echo-cancellers")                   | US-PGPUB; USPAT | OR               | ON      | 2005/01/26 17:52 |
| L7    | 1064   | 6 and @ad<"19981204"                                                                               | US-PGPUB; USPAT | OR               | ON      | 2005/01/26 17:53 |
| L8    | 157    | 7 and packet                                                                                       | US-PGPUB; USPAT | OR               | ON      | 2005/01/26 17:53 |
| L9    | 131    | 8 and voice and data                                                                               | US-PGPUB; USPAT | OR               | ON      | 2005/01/26 17:57 |
| L10   | 4      | 9 and "2100 HZ"                                                                                    | US-PGPUB; USPAT | OR               | ON      | 2005/01/26 18:01 |
| L11   | 34     | 7 and "2100 HZ"                                                                                    | US-PGPUB; USPAT | OR               | ON      | 2005/01/26 18:01 |
| S1    | 125844 | (corrupted or lost or missing or missed) and (replacement or dummy or substitution or substituted) | US-PGPUB; USPAT | OR               | ON      | 2005/01/25 14:35 |
| S2    | 32203  | S1 and data and communication                                                                      | US-PGPUB; USPAT | OR               | ON      | 2005/01/24 17:19 |
| S3    | 900    | S2 and ((replacement or dummy or substitution or substituted) adj data)                            | US-PGPUB; USPAT | OR               | ON      | 2005/01/24 17:56 |
| S4    | 1      | "6208618".pn.                                                                                      | US-PGPUB; USPAT | OR               | ON      | 2005/01/24 17:24 |
| S5    | 9049   | (370/317,235,242,244,245,252,216, 249,352,392,515).CCLS.                                           | US-PGPUB; USPAT | OR               | OFF     | 2005/01/24 17:57 |
| S6    | 1361   | (714/6).CCLS.                                                                                      | US-PGPUB; USPAT | OR               | OFF     | 2005/01/24 17:57 |
| S7    | 3611   | (714/6,18,20,48,49,700,709,746, 747).CCLS.                                                         | US-PGPUB; USPAT | OR               | OFF     | 2005/01/24 17:58 |
| S8    | 630    | (375/240.27,367).CCLS.                                                                             | US-PGPUB; USPAT | OR               | OFF     | 2005/01/24 17:58 |
| S9    | 554    | (379/406.01).CCLS.                                                                                 | US-PGPUB; USPAT | OR               | OFF     | 2005/01/24 17:58 |

|     |       |                                                                                                                                                     |                    |    |     |                  |
|-----|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----|-----|------------------|
| S10 | 464   | (704/226).CCLS.                                                                                                                                     | US-PGPUB;<br>USPAT | OR | OFF | 2005/01/24 17:58 |
| S13 | 14163 | S5 or S6 or S7 or S8 or S9 or S10                                                                                                                   | US-PGPUB;<br>USPAT | OR | ON  | 2005/01/24 17:59 |
| S14 | 59    | S3 and S13                                                                                                                                          | US-PGPUB;<br>USPAT | OR | ON  | 2005/01/24 18:00 |
| S15 | 198   | "digital speech interpolation" or<br>"digital speech inter-polation"                                                                                | US-PGPUB;<br>USPAT | OR | ON  | 2005/01/25 11:32 |
| S16 | 168   | S15 and @ad<"19981204"                                                                                                                              | US-PGPUB;<br>USPAT | OR | ON  | 2005/01/25 14:40 |
| S17 | 117   | S16 and noise                                                                                                                                       | US-PGPUB;<br>USPAT | OR | ON  | 2005/01/25 11:46 |
| S18 | 63158 | "linear feedback shift register" or<br>"linear feedback register" or "linear<br>shift register" or "feedback shift<br>register" or "shift register" | US-PGPUB;<br>USPAT | OR | ON  | 2005/01/25 19:17 |
| S19 | 54089 | S18 and (store or storing or stored<br>or memory or memorize or<br>memorized)                                                                       | US-PGPUB;<br>USPAT | OR | ON  | 2005/01/25 14:30 |
| S20 | 19293 | S19 and (plus or positive) and<br>(minus or negative)                                                                                               | US-PGPUB;<br>USPAT | OR | ON  | 2005/01/25 14:31 |
| S21 | 17392 | S20 and (data or voice or facsimilie<br>or fax or modem or "voiceband<br>data" or "voice-band data")                                                | US-PGPUB;<br>USPAT | OR | ON  | 2005/01/25 14:32 |
| S22 | 17416 | S20 and (data or voice or facsimilie<br>or fax or modem or "voiceband<br>data" or "voice-band data" or traffic)                                     | US-PGPUB;<br>USPAT | OR | ON  | 2005/01/25 14:32 |
| S23 | 5196  | S22 and (replacement or dummy or<br>substitution or substituted)                                                                                    | US-PGPUB;<br>USPAT | OR | ON  | 2005/01/25 14:34 |
| S24 | 2846  | S23 and noise                                                                                                                                       | US-PGPUB;<br>USPAT | OR | ON  | 2005/01/25 14:34 |
| S25 | 557   | S24 and (packet or packets)                                                                                                                         | US-PGPUB;<br>USPAT | OR | ON  | 2005/01/25 14:35 |
| S26 | 384   | S25 and (corrupted or lost or<br>missing or missed)                                                                                                 | US-PGPUB;<br>USPAT | OR | ON  | 2005/01/25 14:35 |
| S27 | 175   | S26 and (overhead or over-head or<br>overheads)                                                                                                     | US-PGPUB;<br>USPAT | OR | ON  | 2005/01/25 14:37 |
| S28 | 175   | S27 and (ADJUST OR FLUCTUATE<br>OR adjusting or fluctuating or<br>change or changing)                                                               | US-PGPUB;<br>USPAT | OR | ON  | 2005/01/25 14:38 |
| S29 | 71    | S28 and ((pseudo-random\$2) or<br>(pseudorandom\$2) or (pseudo adj<br>random\$2))                                                                   | US-PGPUB;<br>USPAT | OR | ON  | 2005/01/25 14:39 |
| S30 | 39    | S29 and @ad<"19981204"                                                                                                                              | US-PGPUB;<br>USPAT | OR | ON  | 2005/01/25 15:38 |

|     |       |                                                                                                                                                    |                    |    |    |                  |
|-----|-------|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----|----|------------------|
| S31 | 6     | ("5121349" or "5153532" or "5592587" or "5754603" or "5790538" or "5870397").pn.                                                                   | US-PGPUB;<br>USPAT | OR | ON | 2005/01/25 19:17 |
| S32 | 63158 | S16 and "linear feedback shift register" or "linear feedback register" or "linear shift register" or "feedback shift register" or "shift register" | US-PGPUB;<br>USPAT | OR | ON | 2005/01/25 16:10 |
| S33 | 63158 | S16 and "linear feedback shift register" or "linear feedback register" or "linear shift register" or "feedback shift register" or "shift register" | US-PGPUB;<br>USPAT | OR | ON | 2005/01/25 16:11 |
| S34 | 50    | S16 and S18                                                                                                                                        | US-PGPUB;<br>USPAT | OR | ON | 2005/01/25 16:12 |
| S35 | 33    | S34 and (packet or packets)                                                                                                                        | US-PGPUB;<br>USPAT | OR | ON | 2005/01/25 16:59 |
| S36 | 29    | S35 and (overhead or over-head or header or headers)                                                                                               | US-PGPUB;<br>USPAT | OR | ON | 2005/01/25 16:45 |
| S37 | 22    | S36 and ("echo canceller" or "echo cancellers" or "echo-canceller" or "echo-cancellers")                                                           | US-PGPUB;<br>USPAT | OR | ON | 2005/01/26 17:52 |
| S38 | 22    | S37 and (noise or noises)                                                                                                                          | US-PGPUB;<br>USPAT | OR | ON | 2005/01/25 16:37 |
| S39 | 7     | S36 not S38                                                                                                                                        | US-PGPUB;<br>USPAT | OR | ON | 2005/01/25 16:45 |
| S40 | 4     | S35 not (S36 or S38)                                                                                                                               | US-PGPUB;<br>USPAT | OR | ON | 2005/01/25 16:59 |
| S41 | 4     | S31 and S18                                                                                                                                        | US-PGPUB;<br>USPAT | OR | ON | 2005/01/25 19:26 |
| S42 | 1     | "5872774".pn.                                                                                                                                      | US-PGPUB;<br>USPAT | OR | ON | 2005/01/25 19:26 |